

Figure 1

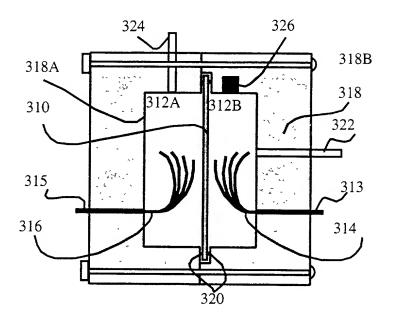


Figure 2

250-2

220-1

Figures 3A and 3B

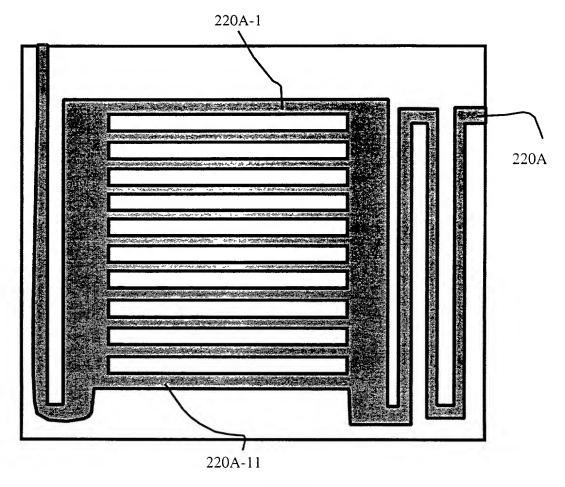


Figure 4

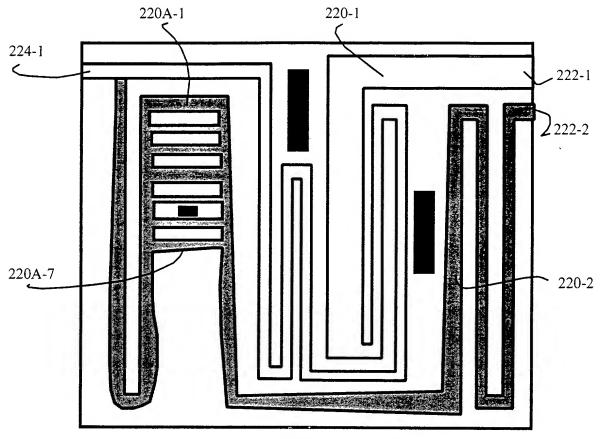
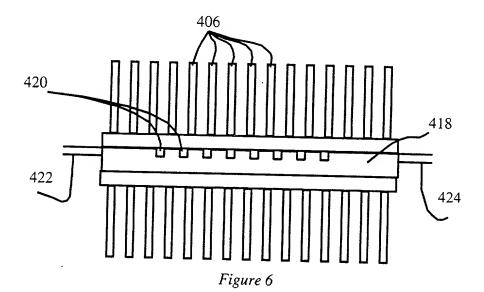


Figure 5



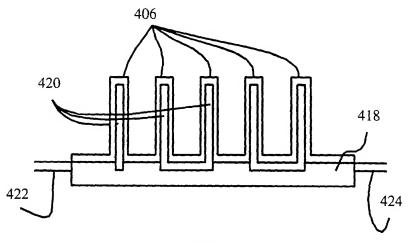


Figure 7

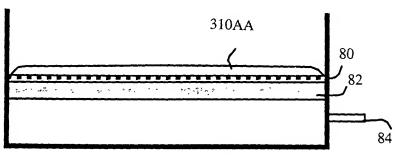


Figure 8

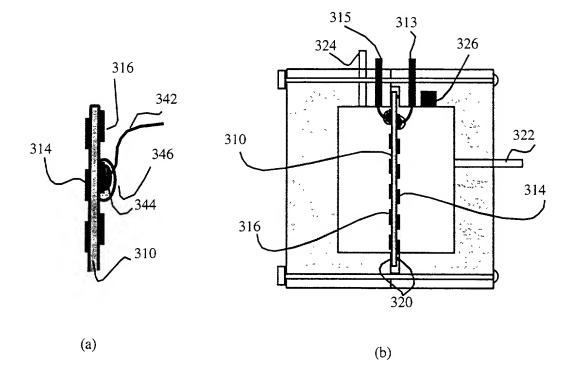


Figure 9

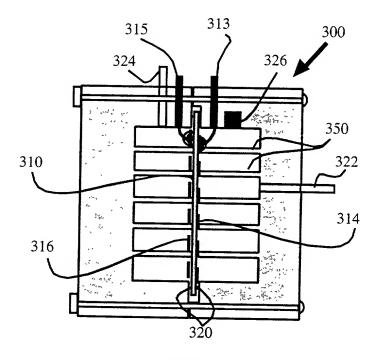


Figure 10

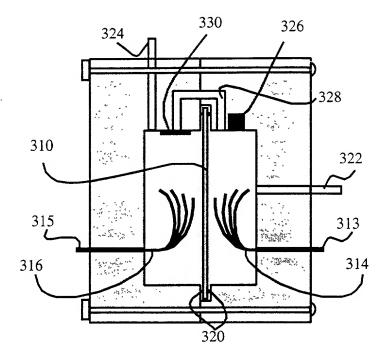


Figure 11

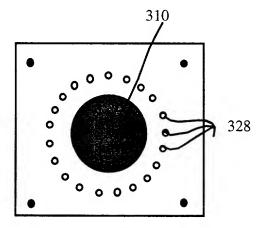
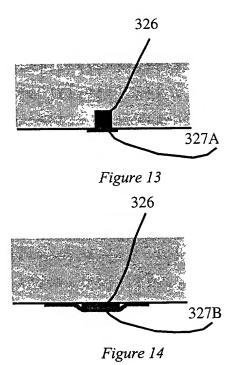


Figure 12



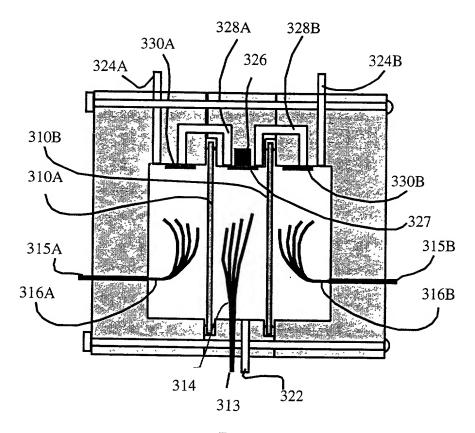
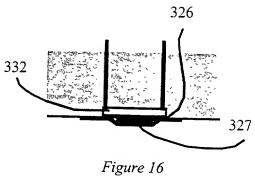


Figure 15



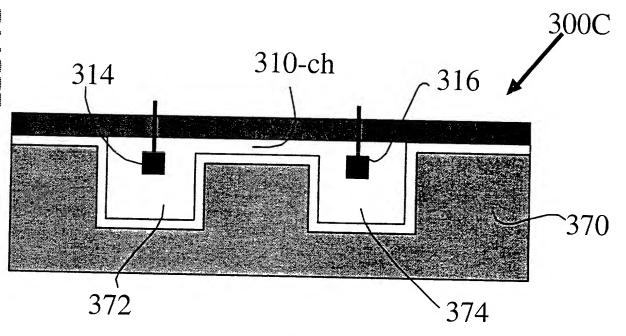


Figure 17

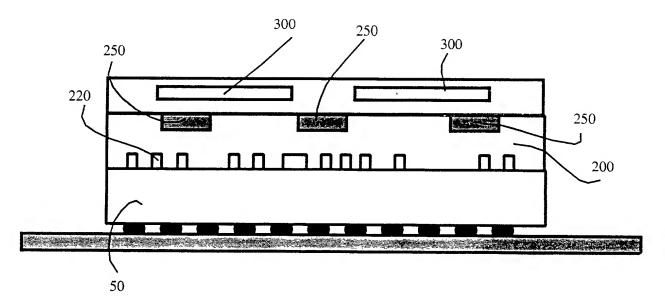


Figure 18

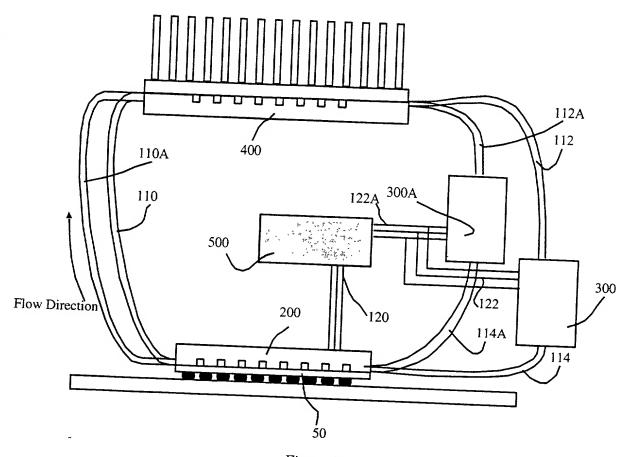


Figure 19

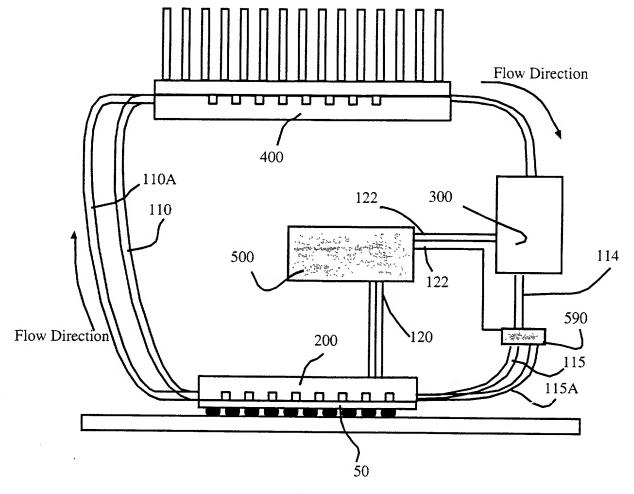


Figure 20

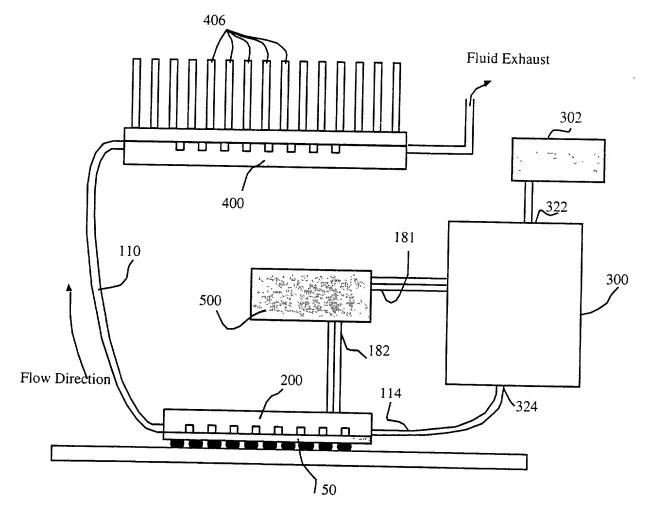


Figure 21

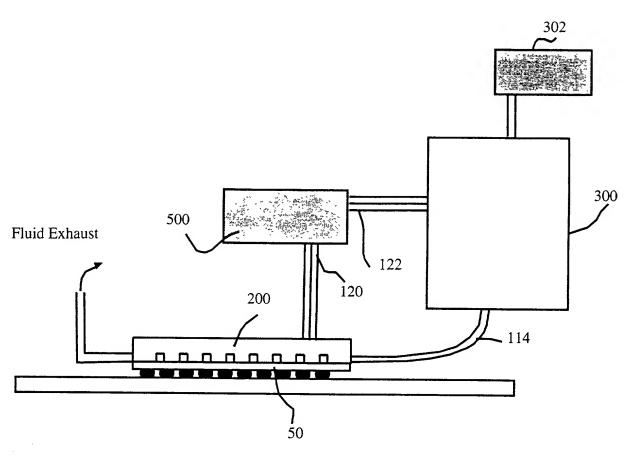


Figure 22

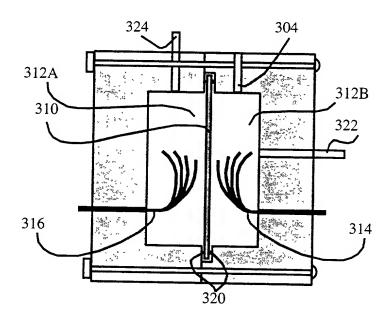


Figure 23

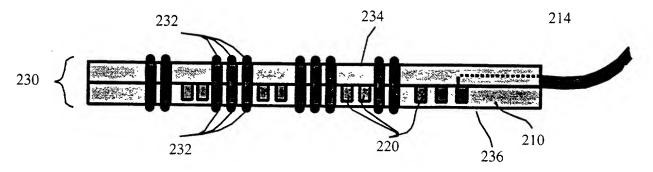


Figure 24

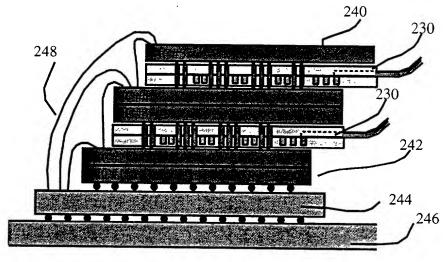


Figure 25

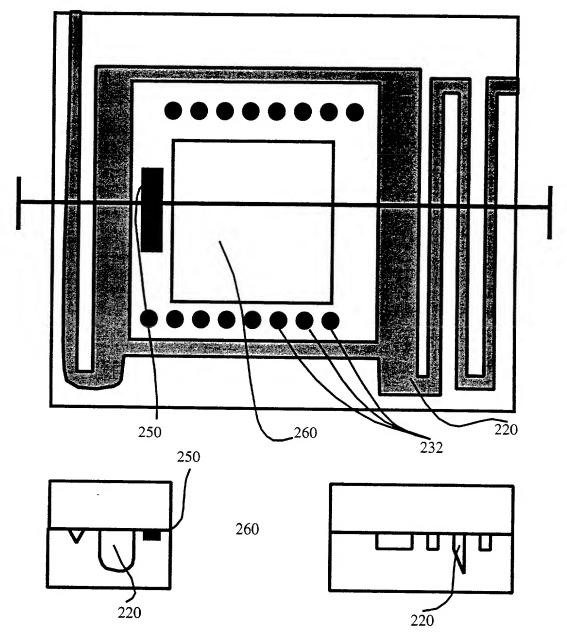


Figure 26a and 26b

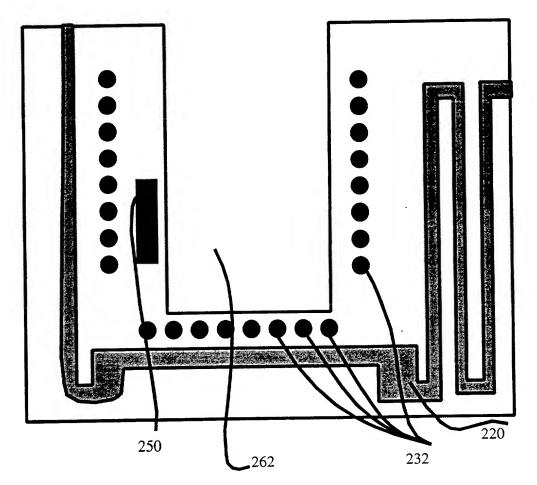


Figure 27

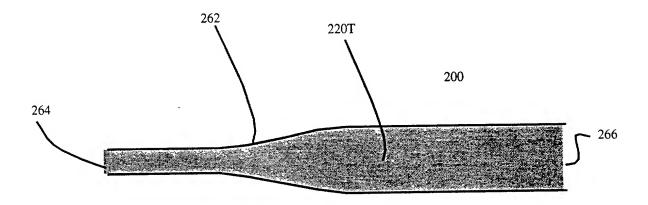


Figure 28

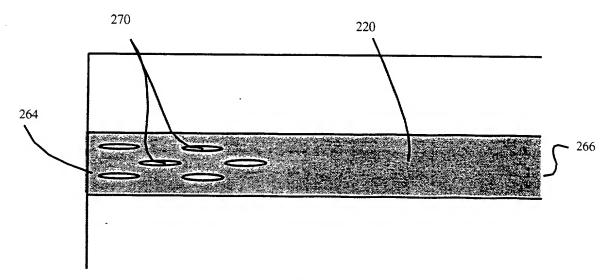


Figure 29

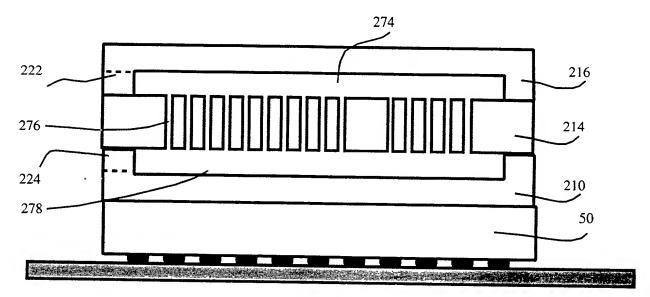


Figure 31

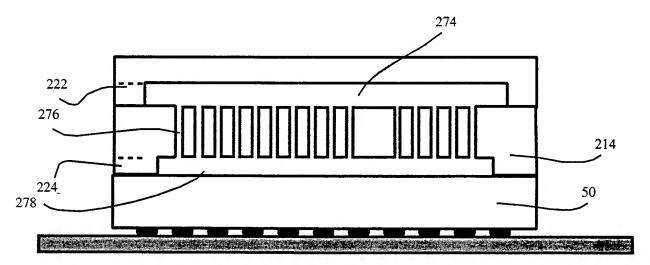


Figure 32

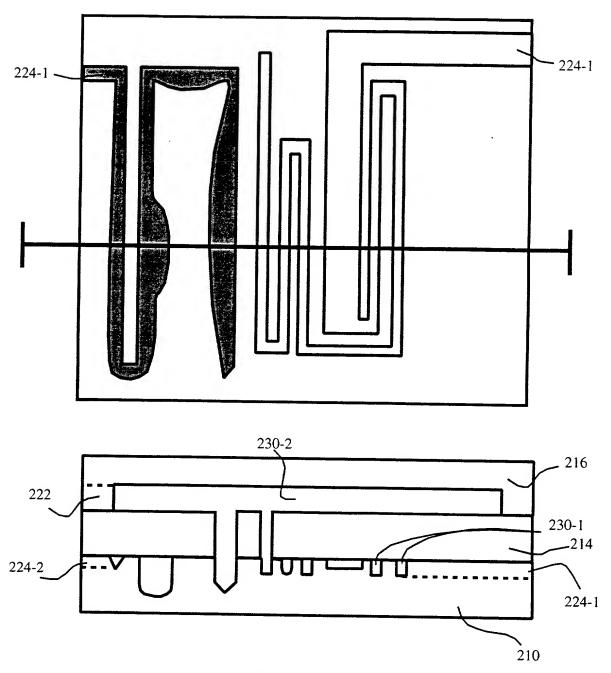


Figure 30a and 30b



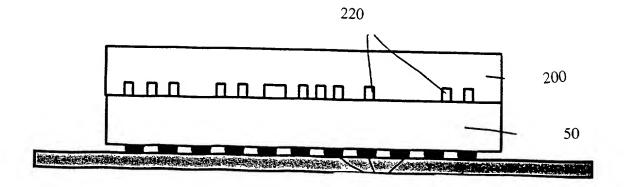
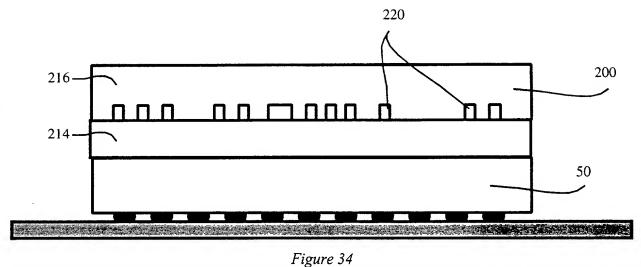


Figure 33



216
214
220
200
50

Figure 35

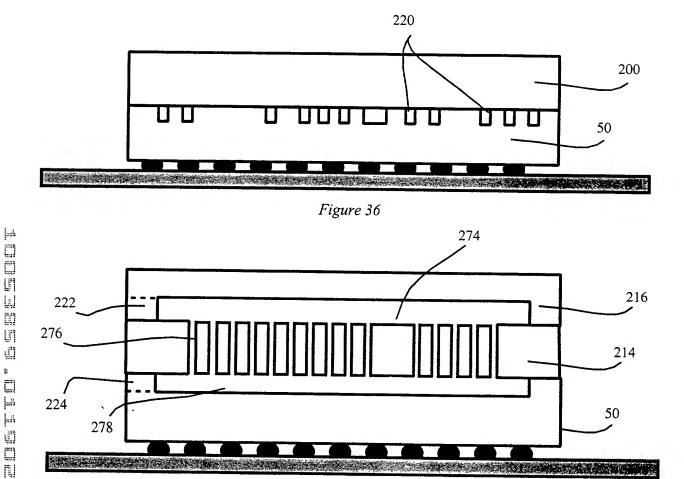


Figure 37

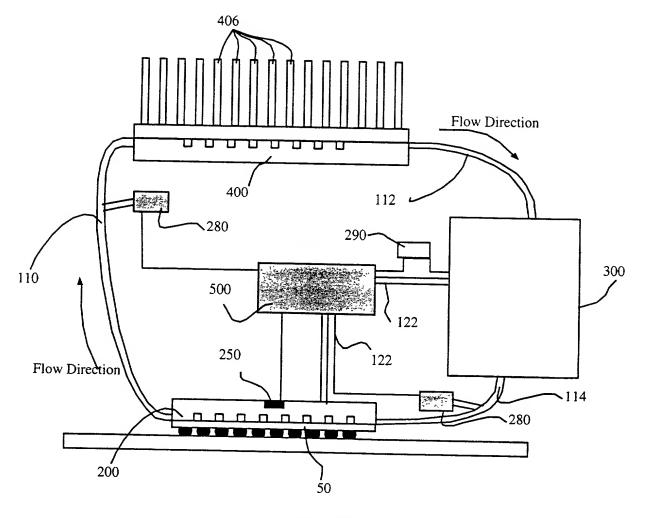


Figure 38

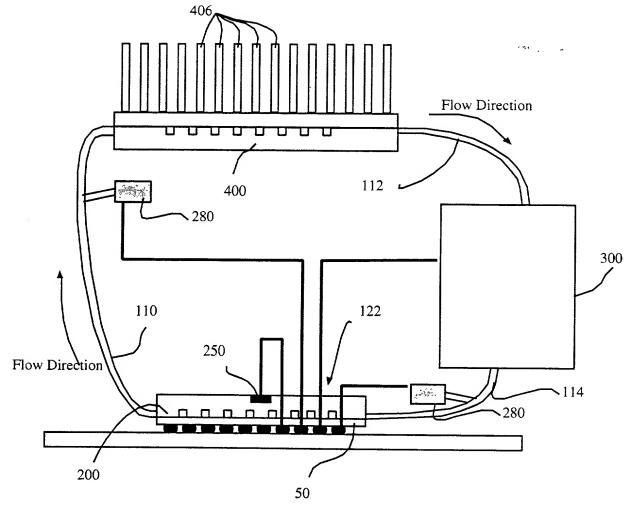


Figure 39

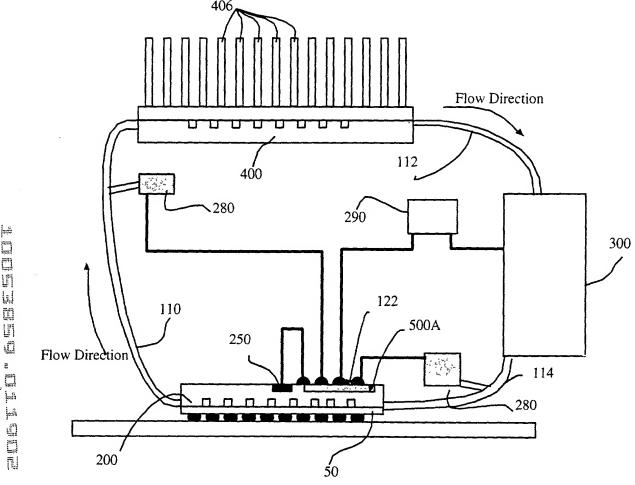


Figure 40

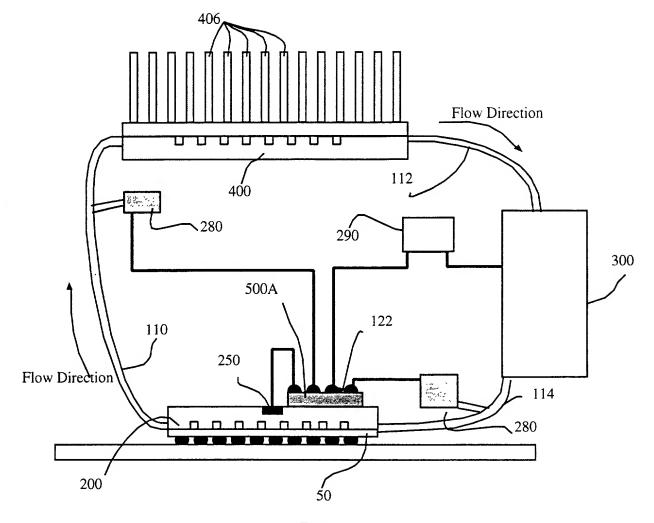


Figure 41



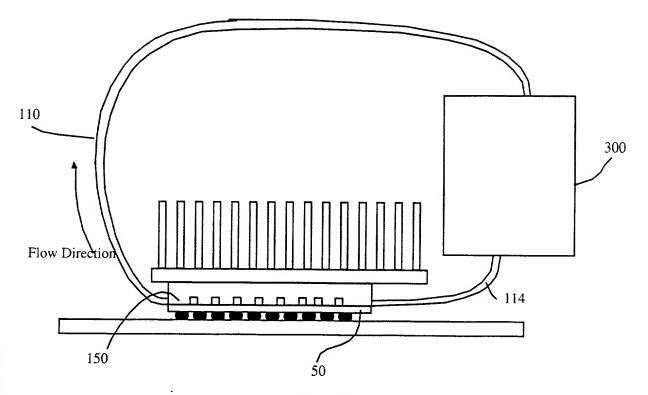


Figure 42

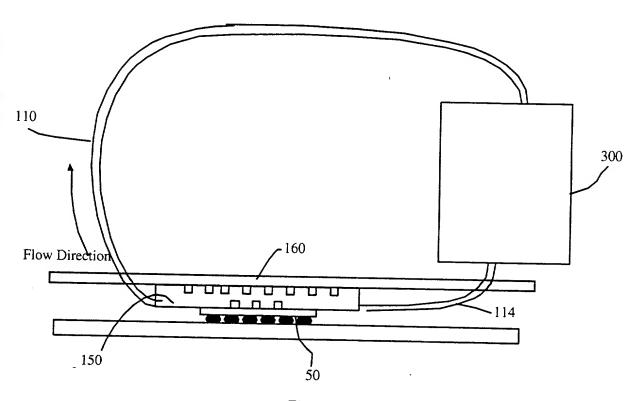
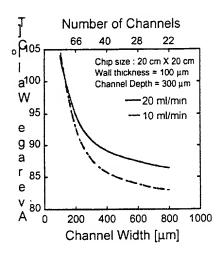


Figure 43



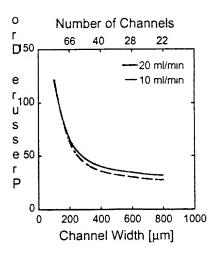


Figure 44a and 44b

W = 300 μm, 46.3 kPa,  $T_{w,avg}$  = 89.8 °C W = 700 μm, 31.3 kPa,  $T_{w,avg}$  = 85.4 °C W = 300 - 700 μm, 38.6 kPa,  $T_{w,avg}$  = 87.8 °C W = 700 - 300 μm, 53.7 kPa,  $T_{w,avg}$  = 93.9 °C

Figure 45

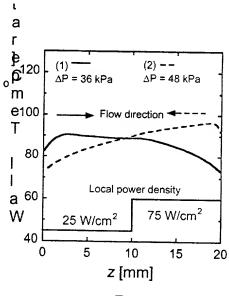
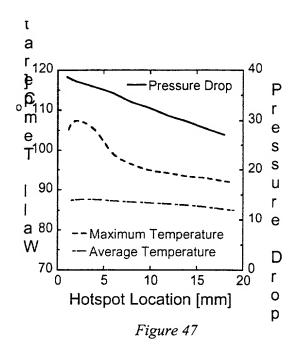
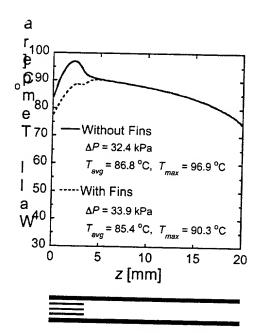


Figure 46





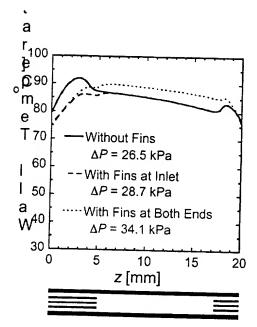
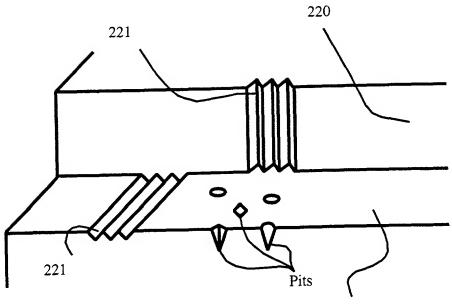


Figure 48a and 48b



Microchannel Bottom

Figure 49

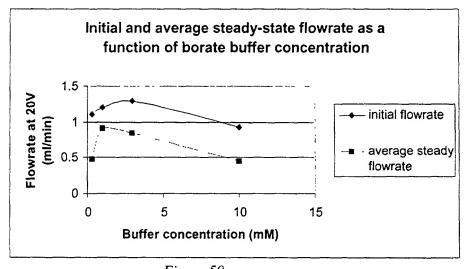


Figure 50

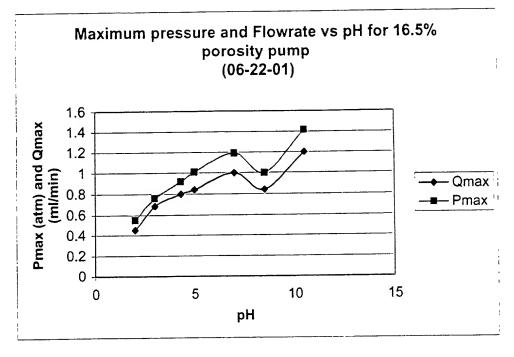


Figure 51

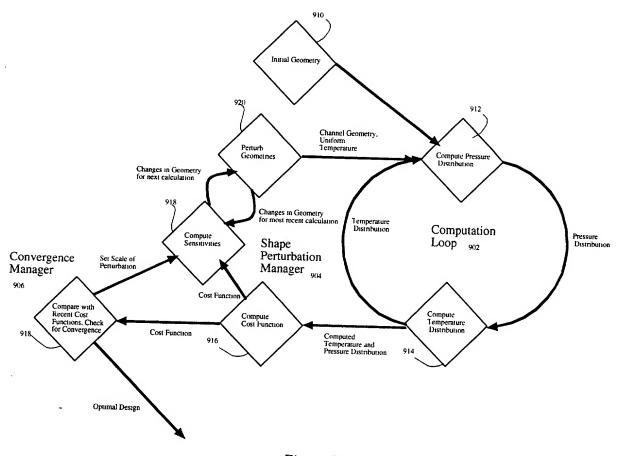


Figure 52